REMARKS

Applicant thanks the Examiner for the Official Communication, dated 11/22/2005. The Examiner acknowledges the good faith attempt made by Applicant to respond to the outstanding office action but indicates that the response was not a complete response. The following addresses each and every point raised by the Examiner in the Office Action of 4/9/2003:

1. The Examiner has indicated that, in the Examiner's opinion, "the Applicant has misinterpreted the specification's meaning of 'information elements.' " Applicant has reviewed the specification carefully and agrees with the Examiner in this regard. The term "information elements" is used in connection with a type of information item, *i.e.* information items related to images. Accordingly, the generic term, as suggested by the Examiner, is "information item." Applicant has carefully gone through each of the claims and has replaced the word "element" with the word -- item -- .

2. With regard to Claims 1, 27, and 33, the Examiner states "Fig. 34 indicates that the Context Vectors will be initialized before the Atom or information element." Applicant does not understand what the Examiner means by this comment because none of Claims 1, 23, and 33 refers to "atoms." Figure 34 is drawn to a specific embodiment in the invention, which is narrower than the subject matter set forth in Claims 1, 27, and 33. Accordingly, Applicant is of the opinion that the Examiner's comment here, absent further explanation by the Examiner, cannot form the basis for an objection under 35 USC 112 for indefiniteness.

3. With regard to Claim 18, the Examiner has indicated that the specification at page 38, lines 5-27 does not address $D << R$. Thus, the Examiner appears to be stating that the

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relationship set forth in the claim is not supported by the specification. Applicant respectfully disagrees on at least two bases. First of all, the Examiner is referred to the discussion beginning at page 33, wherein the specification defines Context Vectors and teaches that they can be constructed. Beginning at page 33 and in the following, a relationship is established between R and D through a series of equations and derivations of equations. In this regard, D is shown to be a square root and that R is a product of QD and Q^T. By definition, a product which is produced by a number of factors, one of which is a square root, would naturally be larger than the square root factor itself. Thus, by mathematical logic, the relationship in Claim 18 is stated in the specification.

However, the Examiner is referred to the following sections of the MPEP, *i.e.* MPEP 608, 608.01(I), and 608.04.

608 Disclosure [R-2]

In return for a patent, the inventor gives as consideration a complete revelation or disclosure of the invention for which protection is sought. All amendments or claims must find descriptive basis in the original disclosure, or they involve new matter. Applicant may rely for disclosure upon the specification with original claims and drawings, as filed. See also **>37 CFR 1.121(f)< and MPEP § 608.04.

608.01(I) Original Claims

In establishing a disclosure, Applicant may rely not only on the description and drawing as filed but also on the original claims if their content justifies it.

Where subject matter not shown in the drawing or described in the description is claimed in the application as filed, and such original claim itself constitutes a clear disclosure of this subject matter, then the claim should be treated on its merits, and requirement made to amend the drawing and description to show this subject matter. The claim should not be attacked either by objection or rejection because this subject matter is lacking in the drawing and description. It is the drawing and description that are defective, not the claim.

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It is, of course, to be understood that this disclosure in the claim must be sufficiently specific and detailed to support the necessary amendment of the drawing and description.

608.04 New Matter

37 CFR 1.121 Manner of making amendments in applications.

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(f) No new matter. No amendment may introduce new matter into the disclosure of an application.

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In establishing a disclosure, Applicant may rely not only on the specification and drawing as filed but also on the original claims if their content justifies it. See MPEP § 608.01(l).

The Applicant's reliance on the original claims to support the content thereof is fully proper and justified. Accordingly, on at least these two bases, the Examiner's objections with regard to Claim 18 are erroneous.

4. Applicant does not understand the Examiner's objection with regard to Claim 21. The Applicant teaches that Context Vectors with properties that the information items have similar meaning are stored with similar orientations in a vector space, and that information items having dissimilar meanings have Context Vectors with dissimilar orientations in vector space. Nonetheless, Applicant understands the Examiner's objection in connection with the word "uniquely" and has deleted that word from the claim. Accordingly, this objection is deemed overcome.

5. Claims 23-26, 29. The Examiner states that the "[s]pecification accommodates 'Context Vector Generation Retrieval' with unenumerating sets of information elements and processes." In this regard, the Examiner has referred to the discussion beginning at

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page 40 and continuing through page 41. Further, the Examiner refers to information elements and "processes." There is no recitation of "processes" in the enumerated claims. Accordingly, this rejection is deemed avoided.

6. Claims 34, 35. Here, the Examiner indicates that the language of the claim does not track exactly the language in the specification beginning on page 23 and continuing through page 24. Applicant respectfully disagrees. The claim refers to a "defined index of terms," which can be seen on page 23, line 7. The claim provides an indexed collection of documents. The specification refers to "a set of documents that have been indexed . . . " (page 23, line 12). The claim provides a plurality of terms that are associated with the Context Vector. The specification refers to building Context Vectors for words . . . ; and generating a Context Vector for the new document to be automatically indexed (page 23, lines 11-16). The claim refers to generating for each index document a Context Vector. See, for example, page 23, line 11. The claim refers to receiving a new document to be indexed. See, for example, page 23, line 15. The claim refers to generating a new Context Vector. See, for example, page 23, line 15. The claim refers to selecting an index document having a similar Context Vector. See, for example, page 23, lines 16-26. Finally, the claim refers to assigning an index term to the new document that is assigned to a selected index document. See, for example, page 24, lines 1-2.
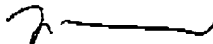
Further, Applicant refers the Examiner again to MPEP Sections 608, 608.01(1), and 608.04. Even if the wording in Claims 34 and 35 is not identical to that in the specification, the claims themselves are proper in view of their inclusion of the document as originally submitted, per Patent Office practices outlined clearly in the MPEP.

In view of the foregoing, the application is deemed to be in allowable condition and an early receipt of a Notice of Allowance is respectfully requested. Should the Examiner

deem it helpful, he is encouraged to contact Applicant's attorney, Michael A. Glenn, at 650-474-8400.

Respectfully submitted,

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